

# Expanded AmDry Installation Guide

## Tools Required:



- Tape measure
- Utility Knife
- Straight edge
- Rubber mallet
- Circular saw with plywood blade
- Pull or pry bar
- 1/2" spacers
- Pencil / marker
- Tapping block (made from a piece of 2' x 4')

## Getting started:

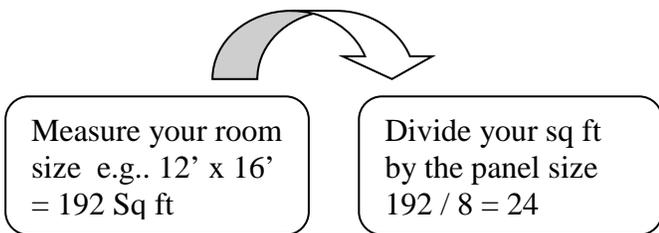
- Measure basement area to determine the number of Amdry subfloor panels required.

Each AmDry Panel is 8 sq ft in size (24" x 48")



Total  
Sq

Ft. of room (\_\_\_\_\_ sq.  
ft.) divide by 8 equals Total  
Panels required.



\*We suggest that you include an extra panel for an extra cut out, waste etc.



### Basement Preparation:



- Place panels in the basement for a minimum of 24 hours prior to installation to acclimatize to the room, lay the panels flat to the floor
- Sweep and / or vacuum all loose debris off basement floor
- Check to make sure the floor is level by using a carpenter's level and a tape measure over the area that are installing the Amdry subfloor on. Any area that you find uneven greater than 1/4" over a 36" to 48" area should be repaired to a level surface by using a self-levelling concrete product following the manufacturer's instructions. The AmDry panel will accommodate minor irregularities and uneven spots in the basement floor.
- **NOTE:** We do not recommended that you use a concrete floor sealer on your basement floor prior to installation. The Amdry Insulated subfloor system is designed to dry any moisture that may be present without the need to seal your floor.



### Installation Steps:

#### Step 1:

- In the selected starting corner, place  $\frac{1}{2}$ " spacers at each side of the starting corner, lay the first AmDry Panel. Cut an Amdry connector @  $22\frac{1}{2}$ " for the short end (this will allow for the  $\frac{3}{8}$ " connector insert in the long side panel on either side.)
- Place the  $22\frac{1}{2}$ " connector in the first laid panel, this can be inserted easily by hand and a light tap with the rubber mallet will ensure a tight connection. Place 2 more spacers at the side of the wall and slide the second Amdry panel into the connector of the first panel. Continue on with this process until you come to the end of the wall. It may be necessary to cut the last panel of each row to fit the room size. Remember to include the  $\frac{1}{2}$ " spacer at the end of each row. Place the 4' Amdry connectors on the long side of the Amdry panels that have been installed





### Step 2:

- For the 2<sup>nd</sup> row; start back at the original starting point beside the first panel placed. Place 2 spacers at the wall.
- While we recommend that you stagger the panels in each row to provide added strength. To install the Amdry panels in a staggered pattern cut a 2' x 4' Amdry panel in half, measure the panel @ 24" place a mark on either side, using the straight edge mark the center of the panel, place a piece of 2x4 under the panel at either end, and using the circular saw with the plywood blade cut the panel. As an alternative you can use the leftover piece from the last panel in the first row. Slide the 2' x 2' cut panel into the long end side connector of the first panel using the tapping block to secure, continue to lay the second row of panels with the 2' x 4' Amdry panels. Place the 4' AmDry connector into the 2<sup>nd</sup> row of installed panels.





### Step 3:

- Continue to install the AmDry panels working from one side of the room to the other, one row at a time. The AmDry connectors will ensure a snug and tight fit. Remember to fully insert the connectors in to the groove of the AmDry panel. For tight areas or the last panel and row installation the use of a pull bar and mallet will be required to connect the panels together.
- Once you have completed your basement AmDry installation, the 1/2" spacers that were placed around the room to allow proper air movement for drying may need to be left in place depending on the finished flooring options that you are planning on installing, see the information on Finished Floor Choices.



### Finished floor Choices:

- **Carpet:** Remove the ½” spacers used in the AmDry installation; install the tack strips at the outer edge of the AmDry insulated subfloor system, around the perimeter of the room. Install the under padding and staple directly to the AmDry Subfloor as you would with any subfloor. Install the carpet. Once the carpet has been installed install the baseboard around the perimeter of the wall, this will cover the ½” air space and continue to allow the AmDry system to perform properly.
- **Engineered Hardwood:** Keeping the ½” spacers in place you can begin to install engineered hardwood. This product does not require any additional subfloor and can be directly nailed into the AmDry subfloor system using approved 1 ½ -2” barber flooring cleats. The NWFA (The National Wood Flooring Association) requires that only wood flooring finishes approved for below grade installation be used on a concrete floor that is 4” or more below the soil level. Do not glue engineered hardwood flooring to the AmDry panels in this application. The ½” spacers can be remove after the Engineered Hardwood has been installed.
- **Laminate:** Keeping the ½” spacers in place install the laminate floor manufactures recommended foam underpad or waxed flooring paper directly on top of the AmDry panels, this installation requires a continuous vapour barrier which these products provide. Install the laminated flooring on top of the foam underpad or waxed paper. Remove the ½” wall spacers after the laminate floor has been installed.
- **Vinyl sheets and vinyl Tiles:** Keeping the ½” spacers in place, install a ¼” plywood underlayment approved for use with sheet or adhesive backed vinyl tiles directly to the AmDry Subfloor system using 5/8” fasteners. Glue the vinyl floor or tiles to the installed ¼” underlayment according to the vinyl floor manufacturer’s installation instructions. Do not glue vinyl sheet flooring or tiles directly to the AmDry subfloor system. Remove the ½” wall spacers once the vinyl flooring has been installed.
- **Ceramic or natural stone Tile:** For this type of floor finish you require a solid surface without deflection. To achieve this you will need to fasten the installed Amdry panels directly to the concrete floor using Tapcon concrete screws. The Tapcon screws will need to be secured a minimum of ½” into the concrete and placed every 12” on center. Once you have secured the entire area to be covered with ceramic or natural stone tile, install a metal lath with a cementitious base coat and follow the standard installation instructions for these products.

